

The Chemistry and Physiology of the Androsterone Group, by K. Tscherning, 13 pp.

GERMAN, per, Z Angew Chem, Vol XLIX, No 1, 1936, pp 11-16.

SLA Tr 2949

Sci - Chemistry
Feb 58

59,727

Production of Furfural and Low-Pentosan Pulp From
Red Beech, by G. Jayne, 14 pp.

GERMAN, per, Z Angew Chem, No 5/6, 1947, pp 150.

SLA 2835

Sci
May 58

63,726

The Physics and Chemistry of Washing, by W. Kling,
24 pp.

GERMAN, per, Angew Chem, Vol LXII, No 13-14,
1950, pp 305-311.

SIA 57-3065

Sci

Aug 58

71, 380

Willedorf, Helz and Kuhlmann-Willedorf, Doris.
ELECTRON MICROSCOPE STUDY OF THE SUR-
FACE OF ELONGATED PURE ALUMINUM, III.
[1961] [15]p. (11 figs. [refa.] omitted)
Order from SLA \$1.60.

61-18913

Trans. of Zeitschrift für Angewandte Physik (West
Germany) 1952, v. 4 [no. 11] p. 418-424.

DESCRIPTORS: *Electron microscopes, *Aluminum,
Thickness, Determination, Measurement, *Surfaces,
Single crystals, Crystal structure, Deformation.

Measuring methods for the determination of the thick-
ness and average distance between the lamellas of slip
bands are discussed. In all cases the average slipper
lamella was found to be less than 1200 angstroms. A
relation between the average lamellas thickness and
the angle between the slippage plane and the surface or
angle between the direction of the slip and the direction
of slip lines is discovered. (Author)

61-18913

I. Willedorf, H.
II. Kuhlmann-Willedorf, D.

61-18913

(Metallurgy-Structural, TTU
v. 6, no. 12)
Office of Technical Services

Separation of Molybdenum From Heavy Metals by Means
of Ion Exchange Resins, by R. Klement.

GERMAN, per, Z Anal Chem, Vol CXXCVI, No 1, 1952,
pp 17-25.

*BISI 3266 (If more requests are
received)

Sci - Chem
May 63

Schäfer, Harald.
REMARKS ON FORMATION OF HIGHER SILICON
CHLORIDES IN A CHILLED TUBE (Bemerkungen zur
Entstehung Höhermolekularer Siliciumchloride im
Abschreckrohr). [1961] [c]p. 12 refs.
Order from SLA \$1.10 61-20532

Trans. of Z[e]i[t]schr[i]f[t] f[ür] Anorg[anische] Chemie
(East Germany) 1953, v. 274, p. 265-270.

DESCRIPTORS: *Silicon compounds, *Chlorides,
Molecular weight, Synthesis, Thermodynamics,
Gases, *Cooling.

The mechanism of formation of higher-molecular-
weight silicon chlorides upon synthesis in a suddenly
cooled tube is discussed. It is made plausible that
chlorides $\text{Si}_n\text{Cl}_{2n} + 2$ are formed because the thermo-
dynamically stable chief constituents of the gaseous
(Chemistry-Physical, TT. v. 7, no. 7) (over)

61-20532

I. Schafer, H.

Office of Technical Services

Removal of Oxygen from Solutions With Oxidation-
Reduction Resins, by G. Manecke.

GERMAN, per, Z Angew Chem, Vol LXVII, 1955,
pp 613-615.

SLA 57-294
RAE Farnborough Tr 675

Sci - Chem
Mar 58

59,267

The Development of the Micro-balance Since
1886, by K. Behrmdt.
GERMAN, per, Zeitschrift fur Angewandte Physik,
Vol 8, No 9, 1956, pp 453-472.
NASA TT F-11,159

GOVERNMENT USE ONLY

Sci-Phys

Nov 67

342,608

Thermochromic, Piezochromic, Photochromic,
and Photomagnetic Phenomena, by G. Kortum,
17 pp,

Z.
GERMAN, per, Angew Chem, Vol LXX, 1958, pp
14-20.

CIA/PDD XX-531

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Oct 58

IAC INTERNAL USE ONLY

75, 297

Polarography in Nonaqueous Solutions, by
V. Gutmann, G. Schober, 20 pp.

GERMAN, per, ^ZAngew Chem, Vol LXXI, 1958, pp
98-104.

AEC 3354

Sci - Chem

Oct 58

74,587

The Interference Effect in the Mass Spectrometer
Ion Source, by Rolf Taubert, 27 pp.

GERMAN, par; Z Anal Chem, Vol CLXIV, 1958,
pp 164-181.

AEC Tr-4562

Sci
Aug 61

163,790

Quantitative Analysis of Sodium Sulfate, Sodium
Sulfite, Sodium Thiosulfate, Sodium Sulfide and
Sodium Polysulfide (Na_2S_2), Sodium Oxide, and
Sodium Carbonate in Coexistence, by Werner Sack.
GERMAN, per, Zeitschrift für Angewandte Chemie,
Vol 131, 1950, pp 199-206. P911144166
AEC AL-tr 223

Sci/Chemistry
Jan 67

316,213

English Title Unknown, by Th. Volker.
GERMAN, per, Zeit fur Angewandte Chemie, Vol 72,
No 11, 1960, pp 379-384.
*NASA TT F-12,014

Nov 68

Ross, Erich and Moser, Erich.
THE TEMPERATURE-DEPENDENCE OF THE
INITIAL PERMEABILITY IN HIGHLY PERMEABLE
MANGANESE-ZINC-FERRITES. [1961] 8p. (Foot-
notes 9 figs. omitted).
Order from SLA \$1. 10 62-10325

Trans. of Zeitschrift für Angewandte (West
Germany) 1961, v. 13, no. 5, p. 247-250.

DESCRIPTORS: *Manganese compounds, *Spinel,
*Ferrites, Permeability, Temperature, Manufac-
turing methods, Minerals, Zinc.

In highly permeable manganese-zinc ferrites we find
frequently, in addition to the maximum of the initial
permeability, close to the Curie-temperature, sec-
ondary maximum for reasons which are still un-
known. These maxima move with increasing zinc-
(Chemistry--Physical, TT, v. 7, no. 8) (Over)

62-10325

I. Ross, E.
II. Moser, E.

201327

Office of Technical Services

From a Mosquito Field Station, by Fritz Eckstein, 9 pp.
GERMAN, per, Zeit fur Angewandte Entomologie, Vol VI,
No 2, 1920, pp 343-348.

NIH 1-19-64

Sci-Biol & Med Sci
March 64

251,244

On the Biology and Morphology of Pimpla
Examinator Fabr. (Hymenoptera, Ichneumonidae)
by N. P. Meier.

GERMAN, per, Z. Angew Entomologie, Vol XI,
No 2, 1925, pp 203-215.

NA:1 Res Counc

C2382

0

Sci

Aug 58

72,769

Contributions to the Knowledge Regarding Lachnus Pterochlorus
Roboris L one of the Important Honeydew Producers on the
Oak, by E. Michel.
GERMAN, per, Z Angew Entomol, No 29, 1942, pp 81-243
NRC/Ref C-3995

Sci -
Aug 67

335.072

Investigation of the Population Dynamics of the
Oak Leaf Roller by ~~H.~~ G. Schutte.

GERMAN, per Zeitschrift Fur Angewandte Entomologie,
Vol XL, No 1, pp 1-36 and No 3, 1951, pp 285-331

CSIRO

Oct. 62

Statistical Methods to Investigate^s Population
of Insects, by A. Mselin, G. Auer,

GERMAN, per, Zeit für Angew Ent, Vol XXVI, No 3,
pp 241-282, No 4, pp 423-461, 1954

C.S.I.R.O.

Sci - Bio

May 60

116,923

Red Spider and the Weather, by R. Roesler.
GERMAN, par, Z. Angew. Entomol, Vol. 35, 1953, 1954,
pp 198-200.
NRC/Ref. C-4151

Sci -
July 1967

334-431

A Contribution to the Knowledge of the Biology
of Spathius Exarator L., by R. Lyugues. UNCL

GERMAN, per, Z Angew Ent, Vol XXXVIII, No 1,
1955, pp 73-81.

DSIR/36351/CT

Sci - Biol, zoology
Nov 59

99,753

*REC*₄ (ORNL-tr-2528) INTERACTIONS BETWEEN
PLANT-SUCKING INSECTS AND THE PLANT TISSUES SUCKED
BY THEM. Kloft, Werner. ¹⁰Translated for Oak Ridge Na-
tional Lab., Tenn., from ¹⁸Z. Angew. Entomol.; 46: No. 1, 42-
70(1960). ²⁰39p. ²⁴Dep. NTIS.

²⁶biomed; translations ²⁷06

²⁸MN-48 ²⁹P NSA

Advances in our Knowledge of Wood Boring
Insects and in the Field of Timber Protection,
by G. Becker.

GERMAN, per, Zeitschrift fuer angewandte
Entomologie, Vol. 50, No. 1, 1963, pp 17-31
NZDIA

Sci -
Aug 67

336-048

Respiration of Hylotrupes Bajulus L. Larvae under
Various Conditions, by G. Becher, K. Danaschke.
GERMAN, per, Zeitschrift fur Angewandte Entomologie,
Vol 51, No 4, 1963, pp 34-323
CSIRO/No 7531

Sci 7
Aug 67

336,463

Transport of Fungus Flora by the Bark Beetle Ips
amminatus Gyll. A Contribution to the Knowledge
of Ipid-Symbiosis, by H. Francke-Grosmann.
GERMAN, per, Z. Angre Entomol, Vol 52, 1963, pp
355-361.
NRC/Ref: C-5339

Sci -
Aug 67

334,943

Investigations on the Collagen Architecture
of the Capsuloligamentous Apparatus of the
Intercubic Articulation in Man. (Second
Report: From Puberty to Senility), by M.
Franceschini, 29 pp.

GERMAN, per, Z Anat Entwicklungen,
Vol CXI, 1957, pp 211-225.

NIH 3-28-60

Sci - Med

May 60

117,315

(FDD 27429)

The Pompeckj Ridge. A Petroleum Myth, by Prof Doc
Erich Lange, 17 pp.

GERMAN, no per, Zeit fuer Angewandte Geologie,
Vol I, No 1, Berlin, Aug 1955, pp 5-9.

CIA/FDD U-8466

38,152

ESur - Germany
Sci - Geophysics, geology

On the Classification of Various Bedding Types,
by L. M. Botvinkina.

GERMAN, per, Z. ~~für Angewandte Geologie~~,
Vol II, No 1, 1956, pp 39-44.

CSIRO

Sci - Geophys
EJun 62

199,219

The Use of the Bio-Geo-Chemical Method in
Prospecting and Exploration of Copper Molybdenum
Ores, by D. P. Maljuda.

German
~~English~~, per, ~~Zeitschrift~~ fuer Angewandte Geologie,
1959, Vol V, No 7, pp 304-305.

171,487
Library
Fisheries Res Bd of Canada
Biol Sta, St. Andrews, NB

Sci - Geophys

Oct 61

Results of the Search for Barite in the Area
of the Schneckenstein (Vogtland), by
H. Bolduan, and others.

GERMAN, per, Zeitschrift fuer Ange Geol,
No 1, 1961, pp 11-19.

Library
Fisheries Res Bd of Canada
Biol Sta St. Andrews NB

Sci

171, 883

Oct 61

.

(DC-6153)

Methods of Engineering-Geological Mapping in
the USSR, By Nikolai Vasilevich Kolomenskiy;
5 pp. 8

GERMAN, per, Z. fuer Angewandte Geologie,
~~XXXXXX~~ Vol VII, No 3, 1961, pp 122-124.

JPRS 8704

Sci - Engr
Aug 61

163,310

63-16551

I. Krüger, P.

Krüger, Peter.
SEDIMENTARY FLOURITE: A SOURCE OF DANGER
TO THE DOLOMITE INDUSTRY WHICH HAS BEEN
OVERLOOKED UNTIL NOW. [1963] 5p. 5 refs.
Order from SLA \$1.10 63-16551

Trans. of Zeitschrift für Angewandte Geologie (East
Germany) 1962, v. 8, p. 400-401.

DESCRIPTORS: *Fluorspar, *Dolomites, Separation,
Petrology, Geochemistry, *Economic geology.

Topics include: Petrography of sheet dolomite from
Caaschwitz; occurrence of sedimentary flourite;
genesis of flourite; and, the industrial importance of
sedimentary flourite.

(Earth Sciences--Mineralogy, TT, v. 10, no. 6)

Office of Technical Services

Chernikov, O. A. and Kauter, K.
SOME LITHOLOGICAL PECULIARITIES OF THE
"MAIN CARBONATE" IN THE SOUTHERN PART OF
SOUTH BRANDENBURG. [1963] 7p (figs omitted) 9refs
Order from SLA \$1.10 TT-64-14012

Trans. of Zeitschrift für Angewandte Geologie (East
Germany) 1963, v. 9, no. 1, p. 14-16.

(Earth Sciences--Geology, TT, v. 12, no. 1)

TT-64-14012

I. Chernikov, O. A.
II. Kauter, K.

Office of Technical Services

TT-64-16420

Siegert, Christine.
THE UNDERLYING BED OF THE COPPER SCHIST IN
THE SPREMBERG-WEISSWASSER AREA. 18p 6refs
Order from SLA \$1.60 TT-64-16420

1. Siegert, C.

Trans. of Zeitschrift für Angewandte Geologie (East
Germany) 1963, v. 9, p. 225-230.

(Earth Sciences--Geology, TT, v. 14, no. 4)

Office of Technical Services

Siegert, Christine, Tzschorn, Günter, and Winkler,
Gerhard.
THE FINE-STRATIGRAPHIC CLASSIFICATION OF THE
COPPER SLATE IN THE SPREMBERG-WEISSWASSER
AREA. 11p Zefc
Order from SLA \$1.60

TT-64-16419

Trans. of Zeitschrift für Angewandte Geologie (East
Germany) 1963, v. 9, p. 422-433.

(Earth Sciences--Geology, TT, v. 12, no. 4)

TT-64-16419

I. Siegert, C.
II. Tzschorn, G.
III. Winkler, C.

Office of Technical Services

Temperature and Incendivity of Grinding Sparks in
Various Gas Mixtures, by Hans Wahl.
GERMAN, per, Z Angew Geol, Vol 12, No 2, 1960,
pp 60-62
*AEC/SANDIA

Sci/Chem
May 69

Salt-Leaching and Tectonics in the Zechstein
of the Werra Potash-Region According to Results of
Seismic Measurements, by L. Wuestner.
GERMAN, per, Zeitschrift fuer Angewandte
Geologie, Vol 10, No 4, 1964, pp 172-179.
SIA tt-66-10242

Sci-Mech Indus Engr
Sept 66

310,423

Stress Increase Caused by Circular Holes in
a Drawn Plate, by Th. Poschl.
FOR GOVERNMENT USE ONLY
GERMAN, per, Z fuer Angewandte Mathematik
und Mechanik, Vol I, No 3, 1921, pp 174-180.
9696431
DDC RSIC-332

Sci - Phys
Apr 65

278,262

Natural Oscillations of Fixed Rods Having Variable
Cross Sections, by N. Mononobe.
GERMAN, per, Z fuer Angewandte Mathematik und
Mechanik, Vol 1, 1921, pp 441-451.
NASA TT F-8521

Sci - Engr
Mar 64
U.S. GOVERNMENT ONLY

251,938

Development of Laminar Velocity Distribution and
its Significance for Viscosity Measurements, by
L. Schiller.

GERMAN, per, Zeitschrift für Angewandte Mathematik
und Mechanik, Vol 2, No 2, 1922, pp 96-106.

P911143566

AEC ANL-tr-387

Sci/Materials
Jan 67

316,209

Winkel, R.
THE MOVEMENT OF WATER IN PIPE LINES WITH
ANNULAR CLEARANCE CROSS SECTION OF FLOW
(LABYRINTH PACKING). [1962] 11p. (figs. omitted).
Order from SLA \$1.60 62-18324

Trans. of Z[eitschrift für] Angew[andte] Math[ematik]
und Mech[anik] (Germany) 1923, v. 3/4, p. 251-257.

DESCRIPTORS: *Pipes, *Water, *Motion, *Turbulent
flow, Velocity, Pneumatic packings, Fluid mechanics.

(Mechanics--Hydrodynamics, TT, v. 9, no. 2)

62-18324

I. Winkel, R.

Office of Technical Services

Eggenberger, F. and Polya, G.
ON THE STATISTICS OF CHAINS OF EVENTS. [1963]
24p 4refs
Order from SLA \$2.60

TT-64-14124

Trans. of Zeitschrift für Angewandte Mathematik und
Mechanik (Germany) 1923, v. 3, p. 279-289.

(Mathematics, TT, v. 12, no. 1)

TT-64-14124

I. Eggenberger, F.
II. Polya, G.

Office of Technical Services

Birnbaum, W.
THE LIFTING VORTEX SURFACE AS AN AID IN
TREATING THE TWO-DIMENSIONAL PROBLEM OF
WING THEORY (Die Tragende Wirbelfläche als Hilfs-
mittel zur Behandlung des Ebenen Problems der Trag-
flügel-Theorie). [1963] [11p] 2refs
Order from SLA \$1.60

63-20149

Trans. of Zeitschrift für Angewandte Mathematik und
Mechanik (Germany) 1923, v. 3, no. 4, p. 290-297.

DESCRIPTORS: *Wings, *Lift, *Vortices, *Airfoils,
Angle of attack, *Aerodynamic characteristics,
Equations, Mathematical analysis.

(Mechanics--Aerodynamics, TT, v. 10, no. 11)

63-20149

I. Birnbaum, W.

Office of Technical Services

The Plane Problem of the Flapping Wing, by Walter
Birnbaum.

Full translation.

GERMAN, no per, Zeitschrift für Angewandte Mathematik
an Mechanik, Vol IV, No 4, Germany, August 1924,
pp 277-292.

NACA TM 1364

Scientific - Aeronautics

9941

Feb 54

The Overflow π Over a Weir, by August Lauck,
34pp.

GERMAN, per, Z ~~KK~~ für Angewandte Mathematik
und Mechanik, Vol V, No 1, 1925, pp 1-16.

SLA 62-16433

Sci-Engr
Jan 64

248,371